

FIG. 1

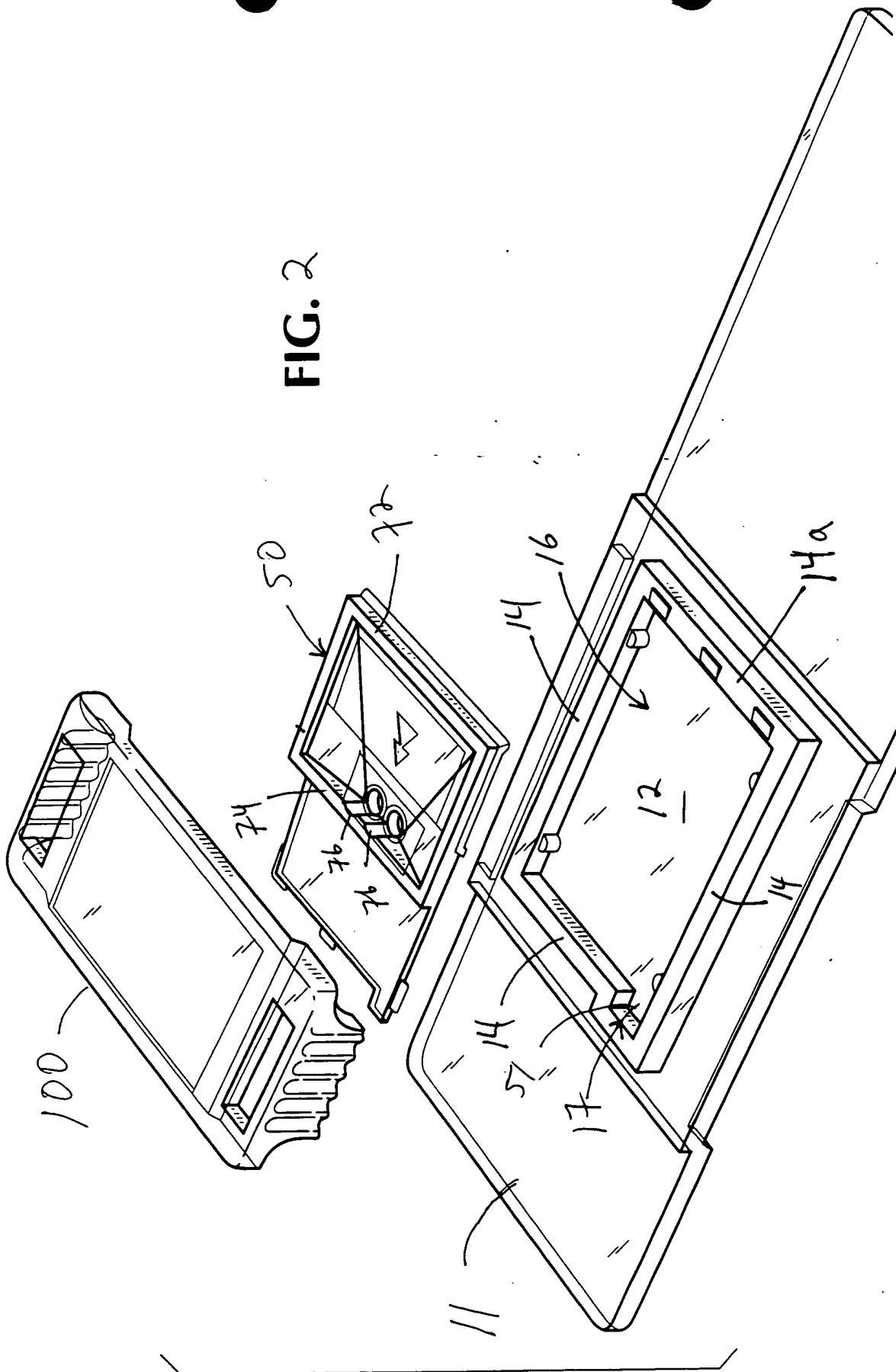
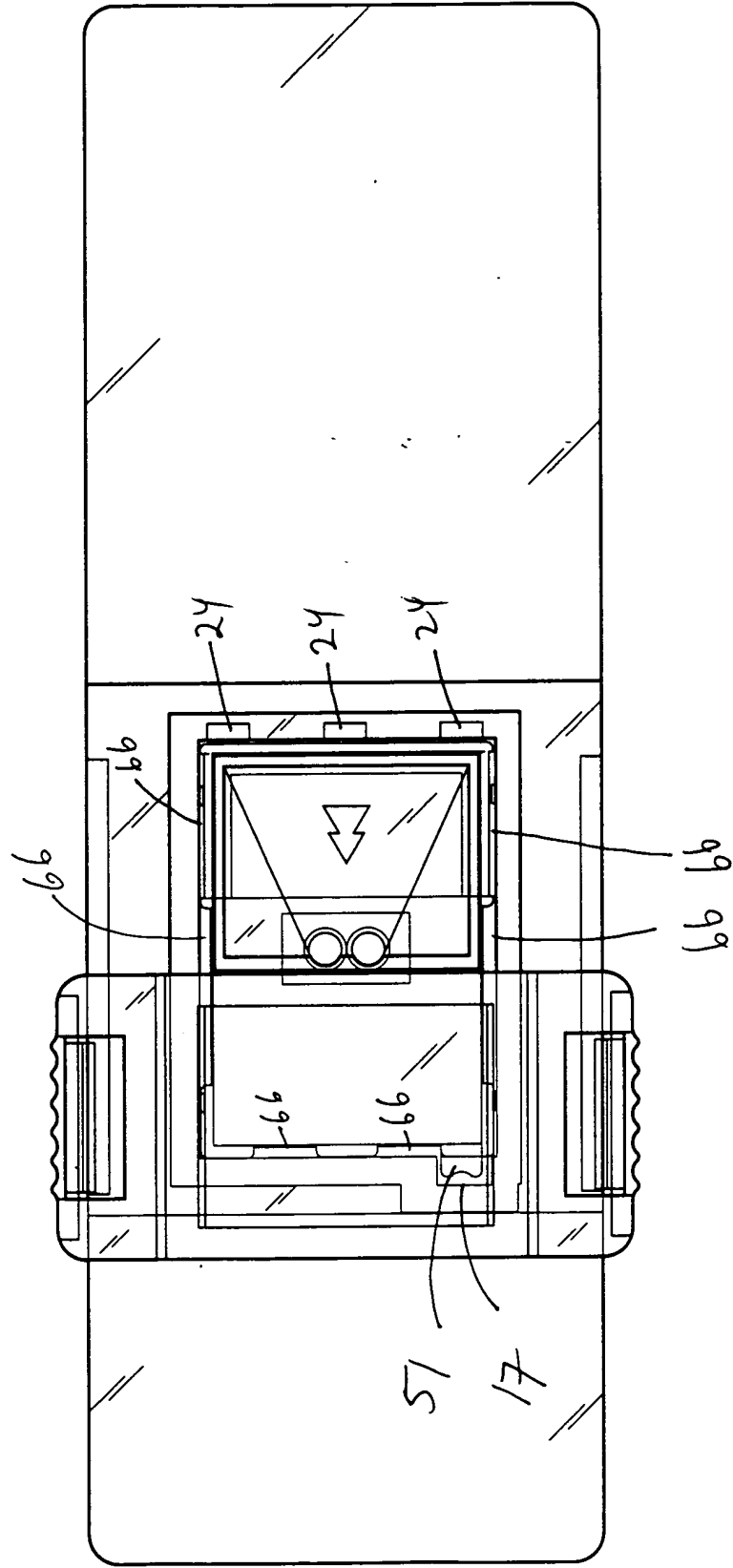
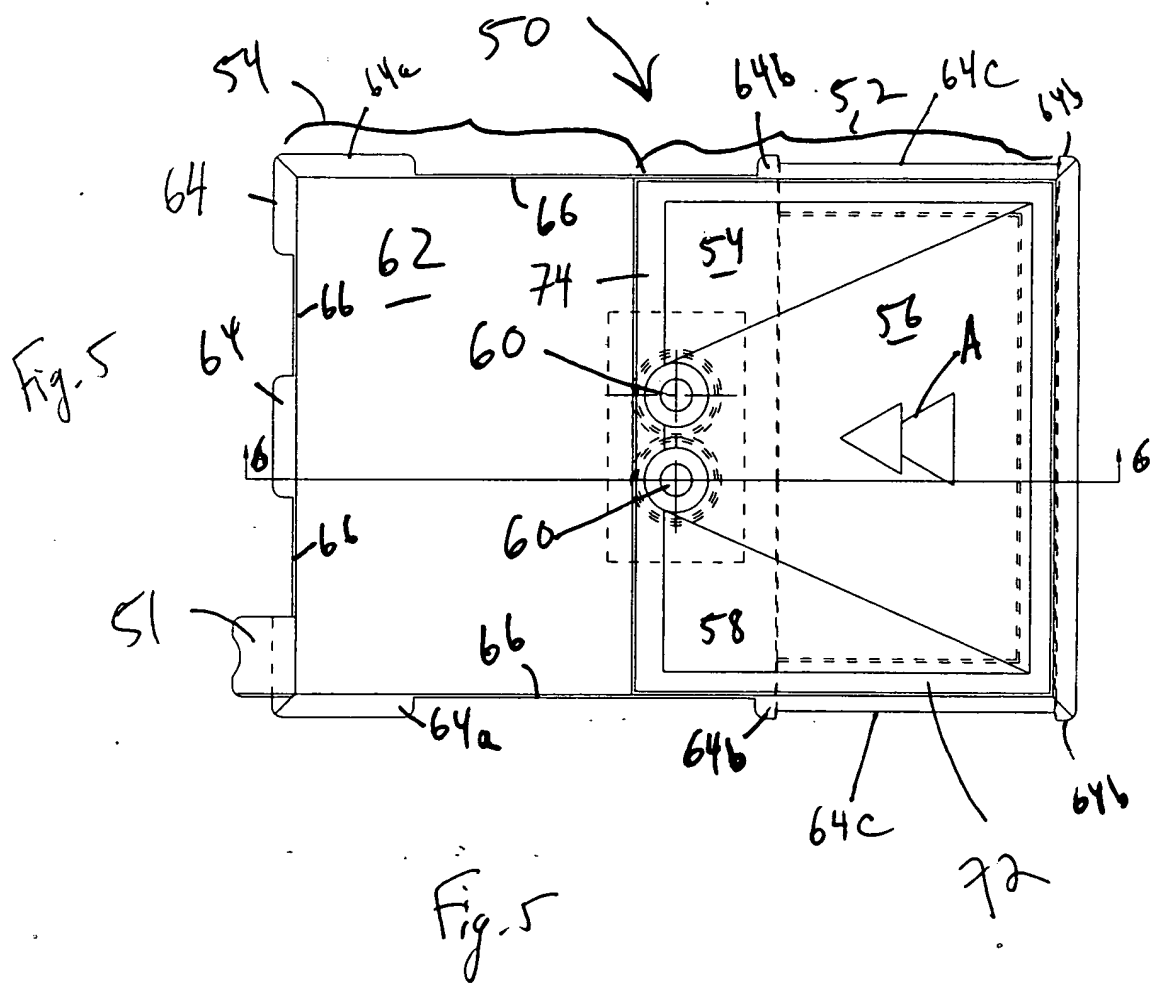


FIG. 2

FIG. 3





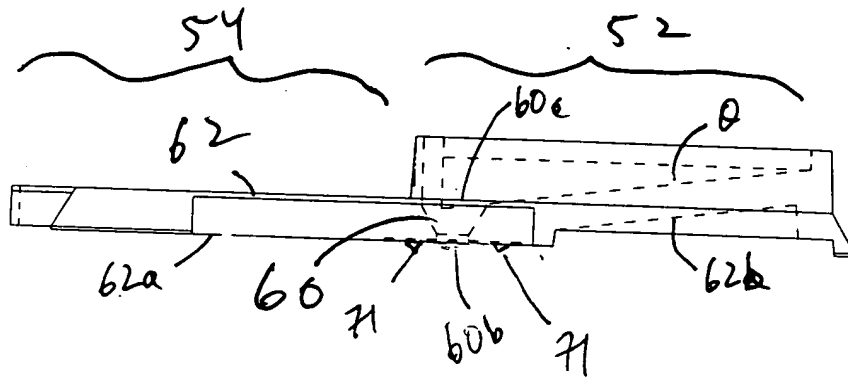


Fig. 6

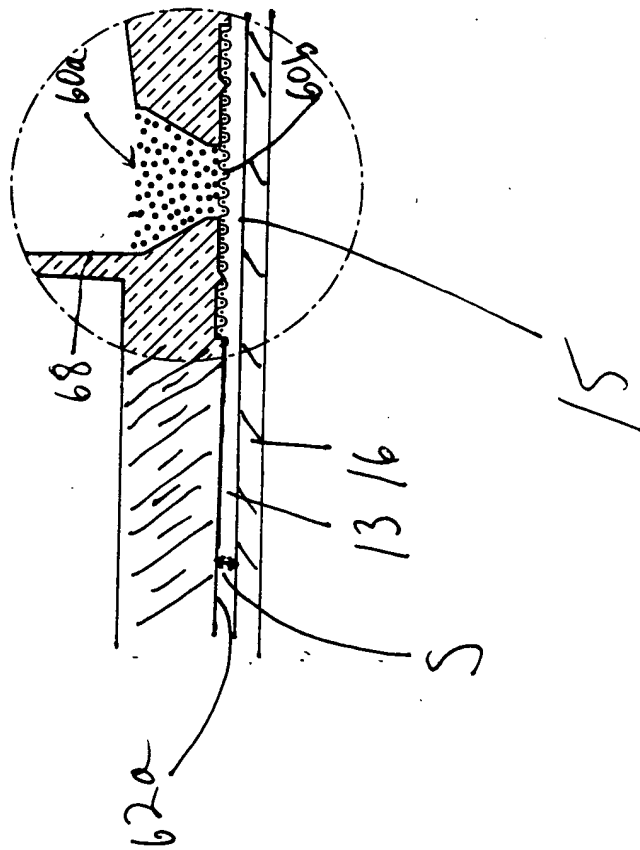


Fig. 7B

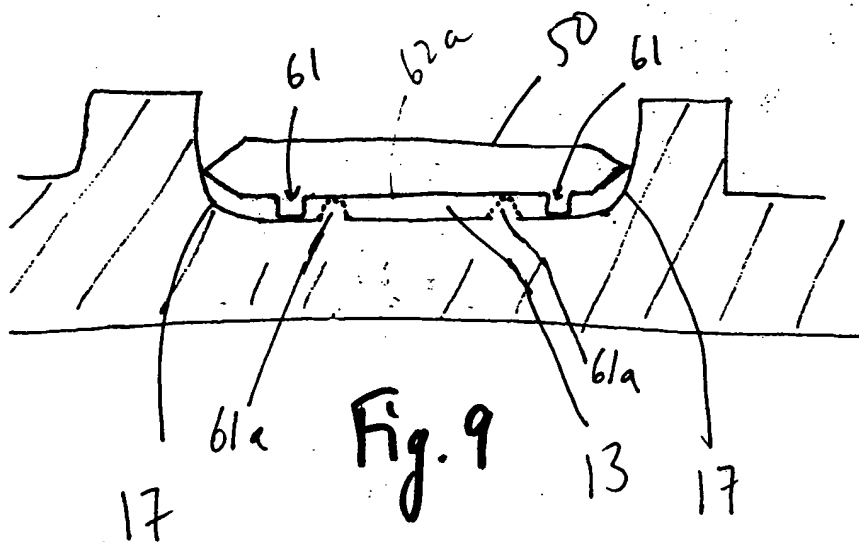
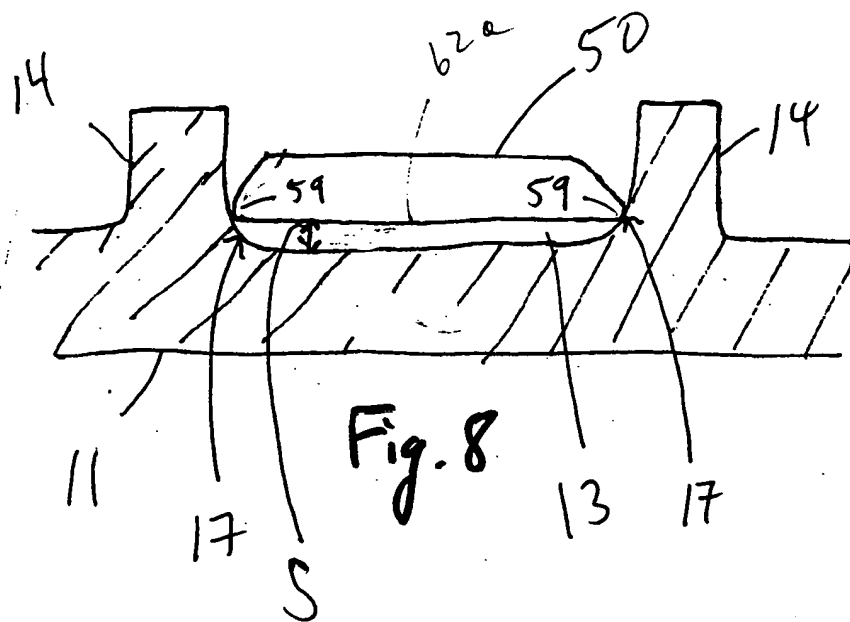
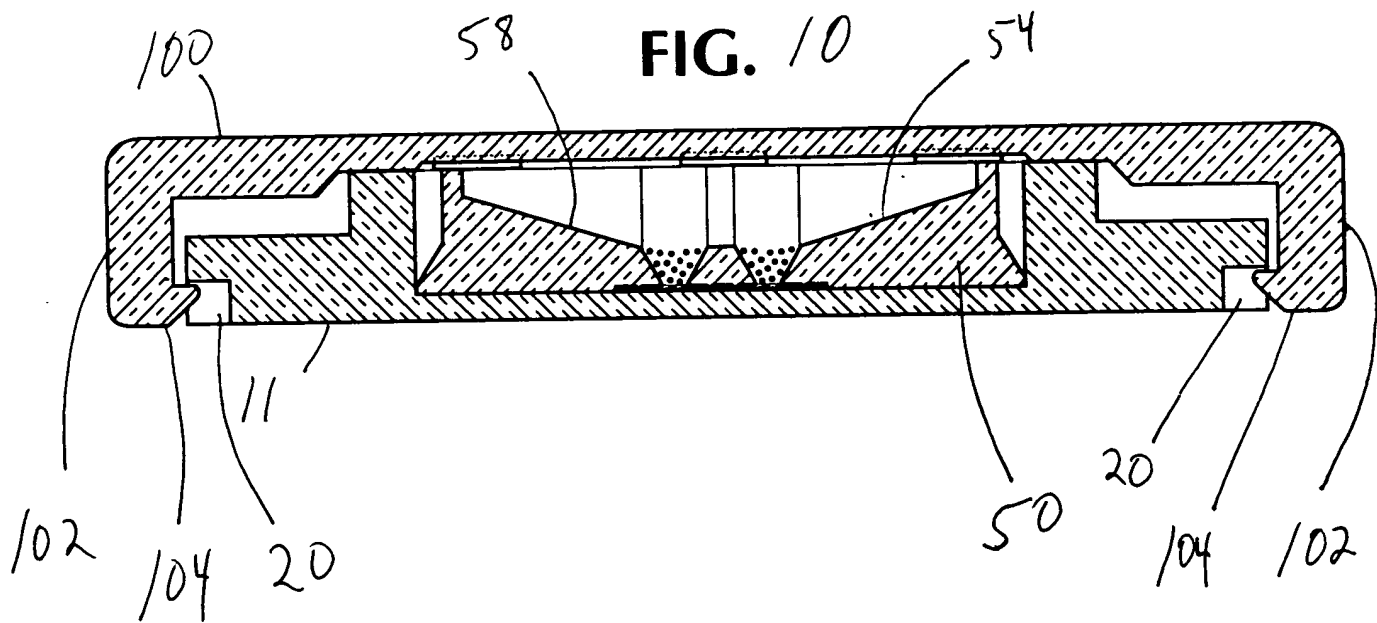


FIG. 10



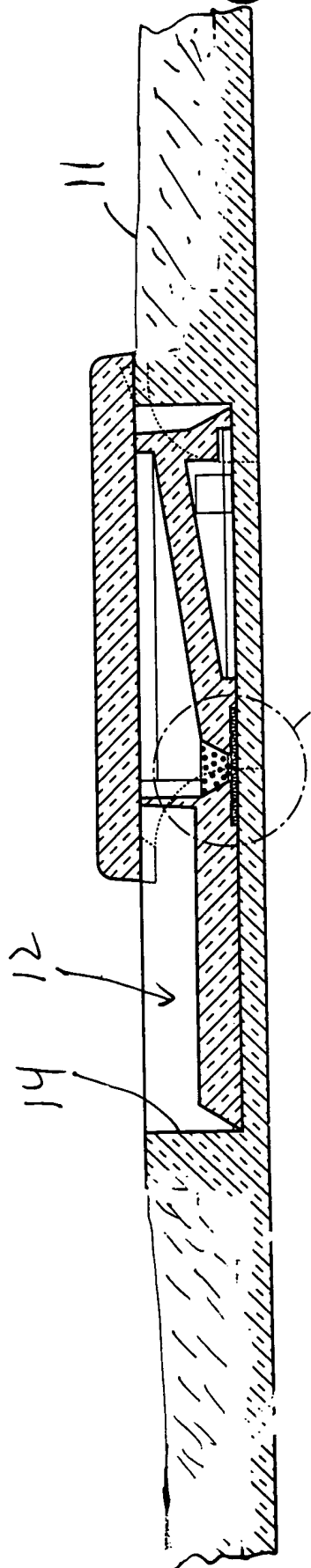


Fig. 11

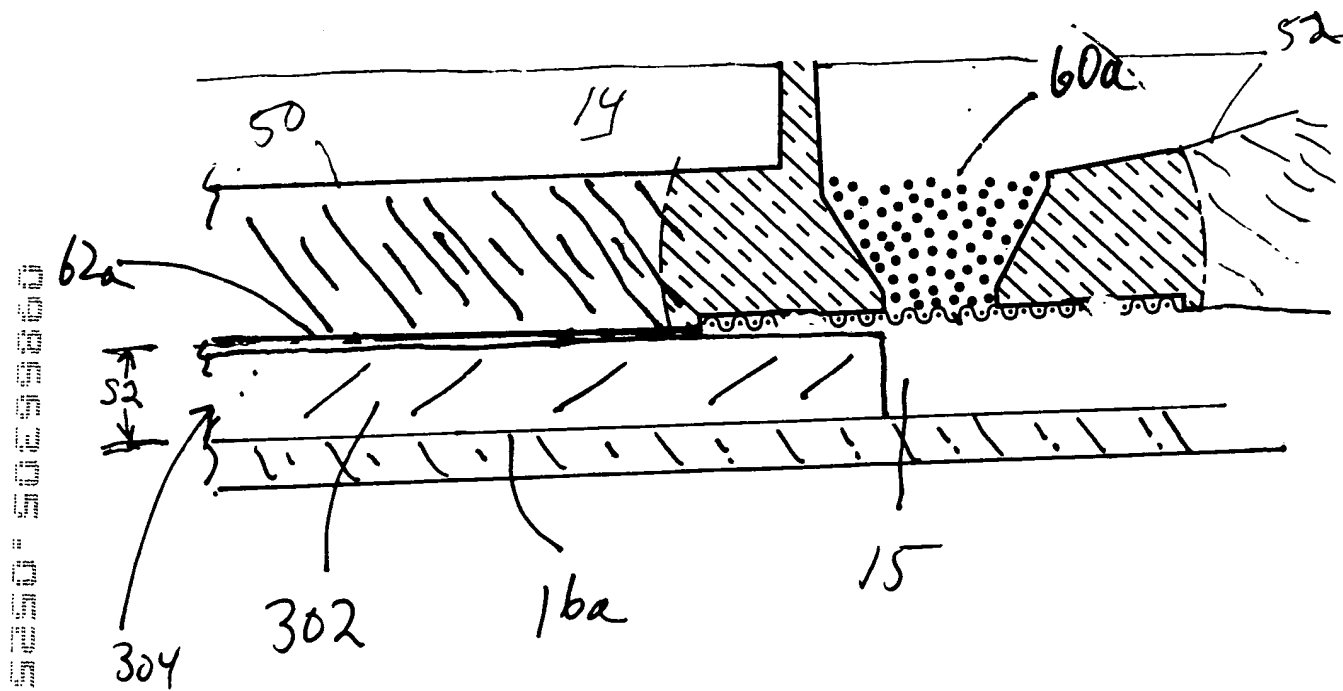


Fig. 12

FIG. 13

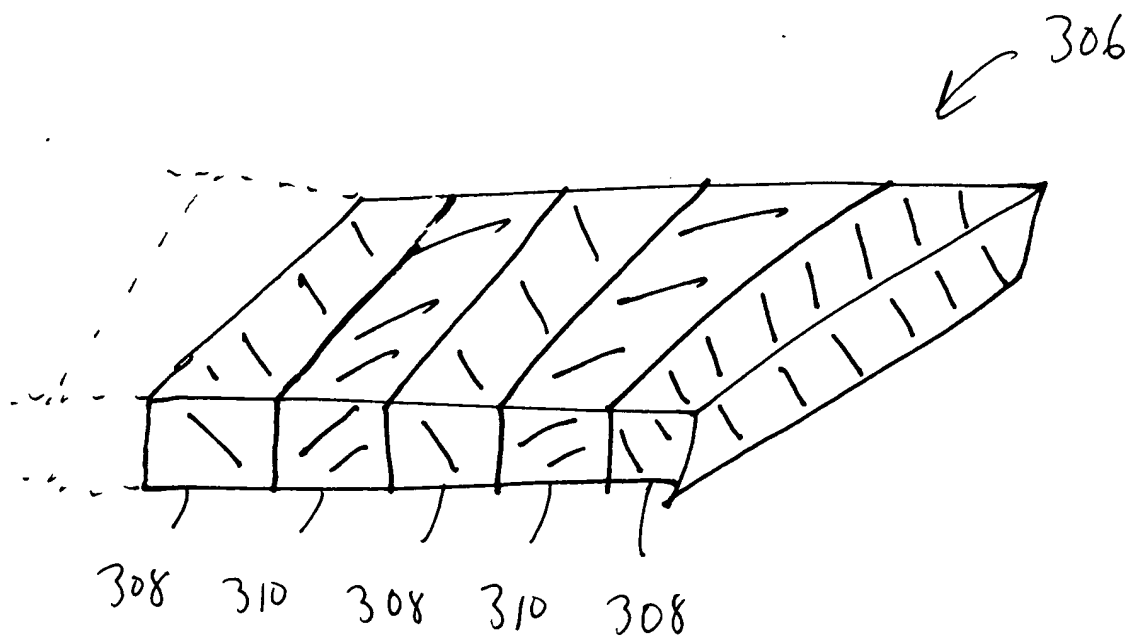


Fig. 13

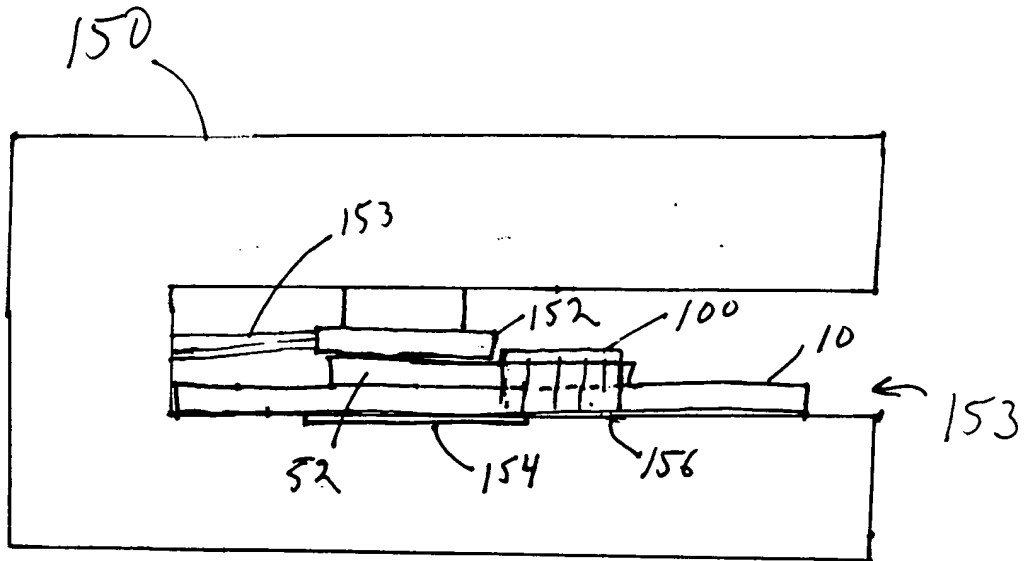


Fig. 14

FIG. 15

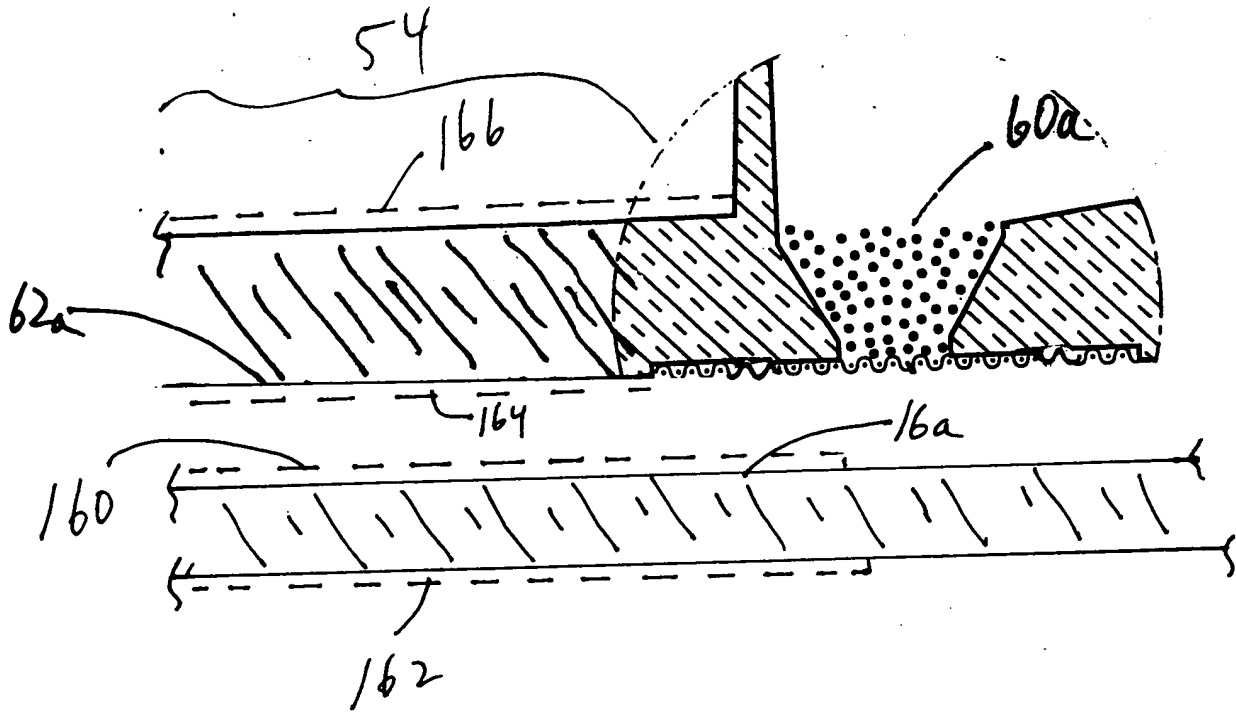


Fig. 15

The diagram illustrates a mechanical assembly. It features two horizontal rectangular plates, one above the other. The upper plate is labeled 182 and the lower plate is labeled 184. A coiled spring, labeled 180, connects the bottom surface of the upper plate to the top surface of the lower plate. The length of the spring is indicated by a dimension line labeled L. The entire assembly is enclosed within a dashed-line boundary labeled 190. A bracket labeled 54 spans the top portion of the assembly. An arrow labeled 178 points towards the right side of the upper plate. An angle θ is shown at the point where the spring meets the lower plate. Other labels include 13 pointing to the left side of the upper plate, 188 pointing to the left side of the lower plate, 186 pointing to the right side of the upper plate, 62a pointing to the right side of the lower plate, 16a pointing to the right side of the lower plate, and 192 pointing to the bottom edge of the lower plate. A box labeled "Detector" with the number 180 next to it is located below the lower plate.

Fig. 16

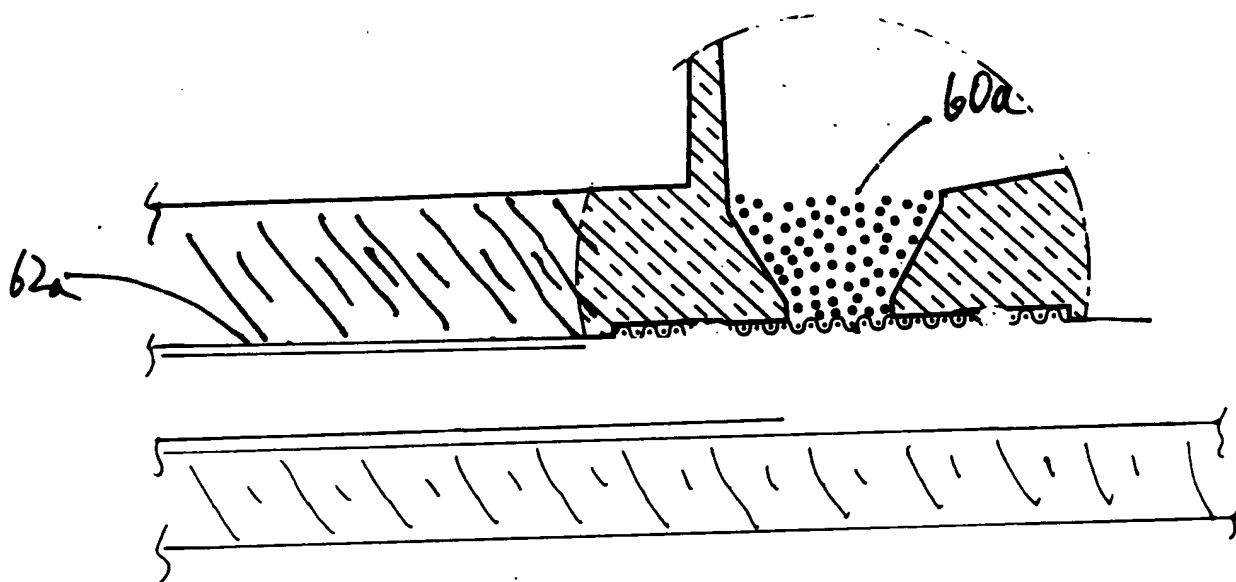


Fig. 17

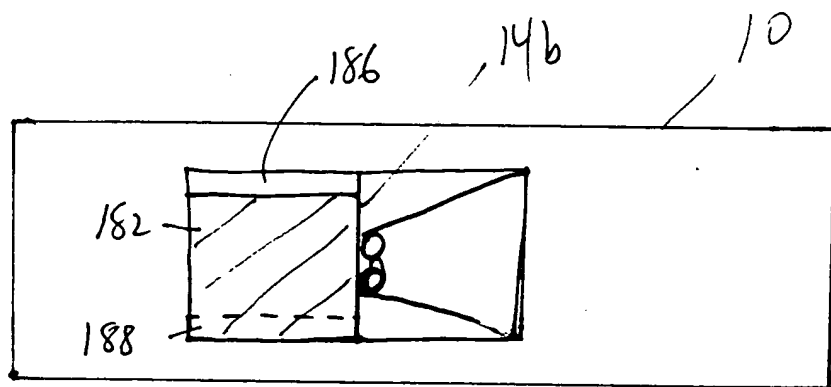


Fig. 18

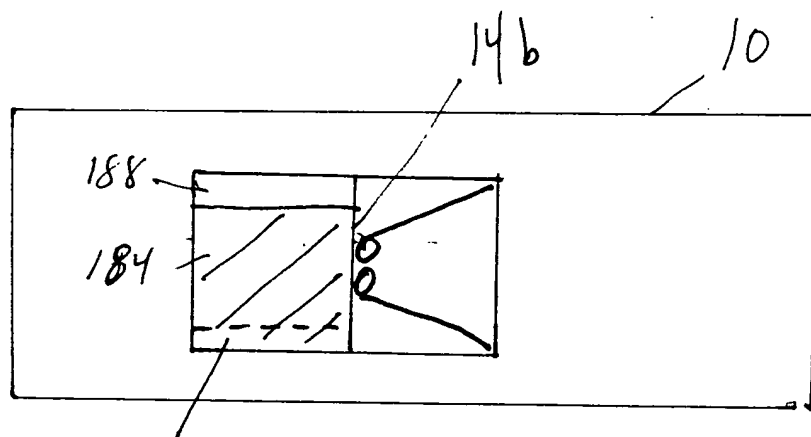


Fig. 19